

Model(s): [information identify	ina the r	nodel(s)	to which the					
information relates]		(0)		AW062HUGHA / HU102WAHYA				
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No				
Brine-to-water heat pump:				No				
Low-temperature heat pump:					No			
Equipped with a supplementa	-	r:			Yes			
Heat pump combination heat	er:				No			
Parameters shall be declared			•					
application, except for low-ter low- temperature heat pumps				Low-temperature application				
declared for low-temperature	•		iii be					
Parameters shall be declared			der and					
warmer climate conditions.	101 4101	ago, con	aor arra	Average climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	4.5	kW	Seasonal space heating energy efficiency	$\eta_{\rm s}$	201	%	
Declared capacity for heat	ing for p	art load	at indoor	Declared coefficient of perform	ance or primary	energy ra	atio for part	
temperature 20 °C and				load at indoor temperature 2				
T _j = − 7 °C	P_{dh}	3.96	kW	T _j = -7 °C	COP _d or PER _d	3.48	– or%	
T _j = + 2 °C	P_{dh}	2.43	kW	T _j = + 2 °C	COP _d or PER _d	4.89	– or%	
T _j = + 7 °C	P_{dh}	1.58	kW	T _j = + 7 °C	COP _d or PER _d	6.73	– or%	
T _j = + 12 °C	P _{dh}	1.91	kW	T _j = + 12 °C	COP _d or PER _d	8.87	– or%	
T _j = bivalent temperature	P _{dh}	3.96	kW	T_j = bivalent temperature	COP _d or PER _d	3.48	– or%	
T _j = operation limit temperature	P_{dh}	4.50	kW	T_j = operation limit temperature	COP _d or PER _d	2.30	– or%	
For air-to-water heat pumps:	P _{dh}	N/A	kW	For air-to-water heat pumps: T _j	COP _d or PER _d	N/A	– or%	
$T_j = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	<u></u>			= -15 °C (if TOL < -20 °C)	u u			
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C	
Cycling interval capacity for heating	P _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	0.9	– or%	
Degradation co- efficient (**)	C_{dh}	0.9	_	Heating water operating limit temperature	WTOL	80	°C	
Power consumption in modes		an activ	e mode	Supplementary heater: N/A				
Off mode	P _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	0.00	kW	
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input		-		
Standby mode	P _{SB}	0.018	kW					
Crankcase heater mode Other items	P _{CK}	0	kW					
	1			For air-to-water heat pumps:				
Capacity control		Variab	ole	Rated air flow rate, outdoors	_	3028	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	40/58	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.032	m³/h	
Annual energy consumption	Q _{HE}	1826	kWhor GJ					
For heat pump combination h								
Declared load profile		_		Water heating energy efficiency	η_{wh}	_	%	
Daily electricity consumption	Q _{elec}	_	kWh	Annual electricity consumption	AEC	_	kWh	
Contact details	Qingdao Haier Air Conditioner Electric Co., Ltd. Contact details Haier industrial Park,No.236,Qianwangang Road ,Qingdao Eco-tech Development Zone ,Qingdao , 266555,China							
heating Pdesignh, and the rate	d heat o	utput of	a supplementa	heaters, the rated heat output Pra ary heater P _{sup} is equal to the supp	olementary capa	_		
$sup(T_j)$. (**) If C_{dh} is not determ	ined by r	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570292	

Model(s): [information identify	rina the r	nodel(s)	to which the					
information relates]		(0)		AW062HUGHA / HU102F20AHYA				
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No				
Brine-to-water heat pump:				No				
Low-temperature heat pump:					No			
Equipped with a supplementa	ry heate	r:			Yes			
Heat pump combination heat	er:				Yes			
Parameters shall be declared	for med	ium-tem	perature					
application, except for low-ter				Low-temperature application				
low- temperature heat pumps, parameters shall be				Low temperature application				
declared for low-temperature	• •							
Parameters shall be declared	for aver	age, col	der and	Average climate conditions				
warmer climate conditions.								
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	4.5	kW	Seasonal space heating energy efficiency	η_{s}	201	%	
Declared capacity for heat				Declared coefficient of perform				
temperature 20 °C and			j	load at indoor temperature 2			<u>, , , , , , , , , , , , , , , , , , , </u>	
T _j = - 7 °C	P _{dh}	3.96	kW	T _j = -7 °C	COP _d or PER _d	3.48	– or%	
T _j = + 2 °C	P _{dh}	2.43	kW	T _j = + 2 °C	COP _d or PER _d	4.89	– or%	
T _j = + 7 °C	P _{dh}	1.58	kW	T _j = + 7 °C	COP _d or PER _d	6.73	– or%	
$T_j = + 12 ^{\circ}\text{C}$	P _{dh}	1.91	kW	$T_j = + 12 ^{\circ}\text{C}$	COP _d or PER _d	8.87	– or%	
T _j = bivalent temperature	P _{dh}	3.96	kW	T_j = bivalent temperature	COP _d of PER _d	3.48	– or%	
T _j = operation limit temperature	P _{dh}	4.50	kW	T_j = operation limit temperature	COP _d or PER _d	2.30	– or%	
For air-to-water heat pumps:	P _{dh}	N/A	kW	For air-to-water heat pumps: T _j	COP _d or PER _d	N/A	– or%	
$T_j = -15 ^{\circ}\text{C} (\text{if TOL} < -20 ^{\circ}\text{C})$	· an	1471	, , ,	= - 15 °C (if TOL < - 20 °C)	COT d OT 1 Z.Nd	14// (0170	
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C	
Cycling interval capacity for heating	P _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	0.9	– or%	
Degradation co- efficient (**)	C_{dh}	0.9	_	Heating water operating limit temperature	WTOL	80	°C	
Power consumption in modes	other th	an activ	e mode	Supplementary heater: N/A				
Off mode	P _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	0.00	kW	
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input	•	-		
Standby mode	P_{SB}	0.018	kW					
Crankcase heater mode	P _{CK}	0	kW					
Other items	ı		T	1 =				
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors		3028	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	40/58	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.032	m³/h	
Annual energy consumption	Q_{HE}	1826	kWhor GJ					
For heat pump combination h		es	· · · · · · · · · · · · · · · · · · ·					
Declared load profile		L		Water heating energy efficiency	η_{wh}	130	%	
Daily electricity consumption	Q _{elec}	3.87	kWh	Annual electricity consumption	AEC	785	kWh	
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heating Pdesignh, and the rate	d heat o	utput of	a supplementa	heaters, the rated heat output Pra ary heater P _{sup} is equal to the supp	olementary capa	_		
$sup(T_j)$. (**) If C_{dh} is not determ	ined by r	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$	0	150570292	

Model(s): [information identify	ina the r	nodel(s)	to which the			D. / A		
information relates]				AW062HUGHA / HU102WAHYA				
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No				
Brine-to-water heat pump:					No			
Low-temperature heat pump:					No			
Equipped with a supplementa	ry heate	r:			Yes			
Heat pump combination heat	er:				No			
Parameters shall be declared	for med	ium-tem	perature					
application, except for low-ter low- temperature heat pumps declared for low-temperature	nperatur , parame	e heat p eters sha	umps. For	Medium-temperature application	n			
Parameters shall be declared for average, colder and warmer climate conditions.				Average climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	4	kW	Seasonal space heating energy efficiency	$\eta_{\rm s}$	150	%	
Declared capacity for heat	ing for n	art load	at indoor	Declared coefficient of perform	anco or primari	oporav ra	tio for part	
temperature 20 °C and				load at indoor temperature 2				
T _i = -7 °C	P _{dh}	3.25	kW	$T_i = -7 ^{\circ}\text{C}$	COP _d or PER _d	2.26	– or%	
T _i = + 2 °C	P _{dh}	2.16	kW	T _i = + 2 °C	COP _d or PER _d	3.74	– or%	
$T_i = +7 ^{\circ}\text{C}$	P _{dh}	1.40	kW	T _i = + 7 °C	COP _d or PER _d	5.48	– or%	
T _i = + 12 °C	P _{dh}	2.05	kW	T _i = + 12 °C	COP _d or PER _d	6.70	– or%	
T _i = bivalent temperature	P _{dh}	3.25	kW	T_i = bivalent temperature	COP _d or PER _d	2.26	– or%	
T_j = operation limit	P _{dh}	3.60	kW	T_j = operation limit temperature	COP _d or PER _d	1.84	– or%	
temperature For air-to-water heat pumps:				For air-to-water heat pumps: T _i				
$T_j = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	P _{dh}	N/A	kW	= – 15 °C (if TOL < – 20 °C)	COP _d or PER _d	N/A	– or%	
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C	
Cycling interval capacity for heating	P _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	0.9	– or%	
Degradation co- efficient (**)	C_{dh}	0.9	_	Heating water operating limit temperature	WTOL	80	°C	
Power consumption in modes	other th	an activ	e mode	Supplementary heater: N/A				
Off mode	P _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	0.40	kW	
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input	545	-		
Standby mode	P_{SB}	0.018	kW					
Crankcase heater mode	P _{CK}	0	kW					
Other items								
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors		3429	m³/h	
Sound power level, indoors/ outdoors	L_{WA}	40/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.645	m³/h	
Annual energy consumption	Q_{HE}	1995	kWhor GJ					
For heat pump combination h		/A	e L					
Declared load profile		_		Water heating energy efficiency	η_{wh}	_	%	
Daily electricity consumption	Q _{elec}	_	kWh	Annual electricity consumption	AEC	_	kWh	
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heating Pdesignh, and the rate	d heat o	utput of	a supplementa	heaters, the rated heat output Pra ary heater P _{sup} is equal to the supp	olementary capa	_		
$\sup(T_j)$. (**) If C_{dh} is not determ	ined by r	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570292	

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Model(s): [information identify information relates]	ring the r	nodel(s)	to which the	AW062HUGHA / HU102F20AHYA				
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No No				
Brine-to-water heat pump:				No No				
Low-temperature heat pump:	m. = = 4 ·	. .			No			
Equipped with a supplementa		r:			Yes			
Heat pump combination heate					Yes			
Parameters shall be declared								
application, except for low-ter				Medium-temperature application	n			
low- temperature heat pumps			ıll be	inicalani temperatare application				
declared for low-temperature	applicati	on.						
Parameters shall be declared	for aver	age, col	der and	Average climate conditions				
warmer climate conditions.				Average climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	4	kW	Seasonal space heating energy efficiency	η_{s}	150	%	
Declared conscitutor boot	ing for n	ort lood	ot indoor	Declared coefficient of perform	anaa ar primara	, oporav, ra	tio for port	
Declared capacity for heat temperature 20 °C and				load at indoor temperature 2				
-			,	-			<u> </u>	
T _j = - 7 °C T _i = + 2 °C	P _{dh}	3.25	kW	T _j = − 7 °C T _i = + 2 °C	COP or PER	2.26	– or%	
J	P _{dh}	2.16	kW	J	COP _d or PER _d	3.74	– or%	
T _j = + 7 °C	P _{dh}	1.40	kW	T _j = + 7 °C	COP or PER	5.48	– or%	
T _j = + 12 °C	P _{dh}	2.05	kW	$T_j = + 12 ^{\circ}\text{C}$	COP or PER	6.70	– or%	
T _j = bivalent temperature	P _{dh}	3.25	kW	T_j = bivalent temperature	COP _d or PER _d	2.26	– or%	
T _j = operation limit temperature	P_{dh}	3.60	kW	T_j = operation limit temperature	COP _d or PER _d	1.84	– or%	
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < -20 °C)	P _{dh}	N/A	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _d or PER _d	N/A	– or%	
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C	
Cycling interval capacity for heating	P _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	0.9	– or%	
Degradation co- efficient (**)	C_{dh}	0.9	_	Heating water operating limit temperature	WTOL	80	°C	
Power consumption in modes	other th	an activ	e mode	Supplementary heater: N/A				
Off mode	P _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	0.40	kW	
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input	Sup	-		
Standby mode	P _{SB}	0.018	kW	71				
Crankcase heater mode	P _{CK}	0	kW					
Other items	- CIX		<u>. </u>	•				
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3429	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	40/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.645	m³/h	
Annual energy consumption	Q_{HE}	1995	kWhor GJ					
For heat pump combination h		s	- <u>"</u>		·			
Declared load profile		L		Water heating energy efficiency	η_{wh}	130	%	
Daily electricity consumption	Q _{elec}	3.87	kWh	Annual electricity consumption	AEC	785	kWh	
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heating Pdesignh, and the rate	d heat o	utput of	a supplement	heaters, the rated heat output Pra ary heater P _{sup} is equal to the supp default degradation coefficient is	olementary capa			
	,			<u>J</u>	***		150570292	

Model(s): [information identify	ing the r	nodel(s)	to which the	AW062HUGH	A / HU102WAH			
information relates]								
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No				
Brine-to-water heat pump:					No			
Low-temperature heat pump:					No			
Equipped with a supplementa		r:			Yes			
Heat pump combination heat					No			
Parameters shall be declared for medium-temperature								
application, except for low-temperature heat pumps. For				Low-temperature application				
low- temperature heat pumps, parameters shall be declared for low-temperature application.								
Parameters shall be declared for average, colder and warmer climate conditions.				Cold climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	5	kW	Seasonal space heating energy efficiency	η_{s}	154	%	
Declared capacity for hear	ing for p	art load	at indoor	Declared coefficient of perform	ance or primary	energy ra	atio for part	
temperature 20 °C and	outdoor	tempera	ture T _i	load at indoor temperature 2	20 °C and outdo	or temper	ature T _i	
T _j = - 7 °C	P_{dh}	3.06	kW	$T_j = -7 ^{\circ}C$	COP _d or PER _d	3.50	– or%	
T _j ' = + 2 °C	P _{dh}	1.83	kW	T _j = + 2 °C	COP _d or PER _d	4.20	– or%	
T _j = + 7 °C	P_{dh}	1.95	kW	T _j = + 7 °C	COP _d or PER _d	7.00	– or%	
T _j = + 12 °C	P_{dh}	2.18	kW	T _j = + 12 °C	COP _d or PER _d	9.00	– or%	
T_j = bivalent temperature	P_{dh}	4.14	kW	T_j = bivalent temperature	COP _d or PER _d	2.82	– or%	
T_j = operation limit temperature	P _{dh}	3.18	kW	T_j = operation limit temperature	COP _d or PER _d	2.25	– or%	
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < -20 °C)	P _{dh}	4.14	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _d or PER _d	2.82	– or%	
Bivalent temperature	T _{biv}	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C	
Cycling interval capacity for heating	P _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	0.9	– or%	
Degradation co- efficient (**)	C_{dh}	0.9	_	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes	other th	an activ	e mode	Supplementary heater: N/A				
Off mode	P _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	1.82	kW	
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input		-		
Standby mode	P_{SB}	0.018	kW					
Crankcase heater mode	P _{CK}	0	kW					
Other items								
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors		3028	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	40/58	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.032	m³/h	
Annual energy consumption	Q _{HE}	1997	kWhor GJ					
For heat pump combination h		/A	<u>. </u>					
Declared load profile		_		Water heating energy efficiency	η_{wh}	_	%	
Daily electricity consumption	Q _{elec}	_	kWh	Annual electricity consumption	AEC		kWh	
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heating Pdesignh, and the rate	d heat o	utput of	a supplement	heaters, the rated heat output Pra ary heater P _{sup} is equal to the supp default degradation coefficient is	olementary capa	_		
$\sup(T_j)$. ("") If C_{dh} is not determ	imea by r	neasurer	nent then the	default degradation coefficient is	C _{dh} = 0,9.		150570292	

Model(s): [information identify	ing the r	model(s)	to which the	AW062HUGHA	A / HU102F20A	НҮА		
information relates]								
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No				
Brine-to-water heat pump:					No			
Low-temperature heat pump:					No			
Equipped with a supplementa		r:			Yes			
Heat pump combination heat	er:				Yes			
Parameters shall be declared	Parameters shall be declared for medium-temperature							
application, except for low-temperature heat pumps. For				Low-temperature application				
low- temperature heat pumps, parameters shall be declared for low-temperature application.				Low tomporature application				
Parameters shall be declared for average, colder and warmer climate conditions.				Cold climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	5	kW	Seasonal space heating energy efficiency	η_{s}	154	%	
Declared capacity for heat	ing for n	art load	at indoor	Declared coefficient of perform	ance or primary	/ energy ra	tio for part	
temperature 20 °C and				load at indoor temperature 2				
T _i = -7 °C	P _{dh}	3.06	kW	$T_i = -7 ^{\circ}\text{C}$	COP _d or PER _d	3.50	– or%	
T _i = + 2 °C	P _{dh}	1.83	kW	T _i = + 2 °C	COP _d or PER _d	4.20	– or%	
T _i = + 7 °C	P _{dh}	1.95	kW	T _i = + 7 °C	COP _d or PER _d	7.00	– or%	
T _i = + 12 °C	P _{dh}	2.18	kW	T _i = + 12 °C	COP _d or PER _d	9.00	– or%	
T_i = bivalent temperature	P _{dh}	4.14	kW	T _i = bivalent temperature	COP _d or PER _d	2.82	– or%	
T_j = operation limit temperature	P _{dh}	3.18	kW	T_j = operation limit temperature	COP _d or PER _d	2.25	– or%	
For air-to-water heat pumps: $T_i = -15$ °C (if TOL < -20 °C)	P _{dh}	4.14	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _d or PER _d	2.82	– or%	
Bivalent temperature	T _{biv}	-15	°C	For air-to-water heat pumps:	TOL	-25	°C	
Cycling interval capacity for	biv			Operation limit temperature	101	-20		
heating	P _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	0.9	– or%	
Degradation co- efficient (**)	C_{dh}	0.9	_	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes	other th	an activ	e mode	Supplementary heater: N/A				
Off mode	P _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	1.82	kW	
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input		_		
Standby mode	P _{SB}	0.018	kW					
Crankcase heater mode	P _{CK}	0	kW					
Other items	1		-			-		
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	<u> </u>	3028	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	40/58	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.032	m³/h	
Annual energy consumption	Q_{HE}	1997	kWhor GJ					
For heat pump combination h		es	<u> </u>					
Declared load profile		L		Water heating energy efficiency	η_{wh}	106.8	%	
Daily electricity consumption	Q _{elec}	4.74	kWh	Annual electricity consumption	AEC	958.75	kWh	
Contact details	Qingdao Haier Air Conditioner Electric Co., Ltd.							
heating Pdesignh, and the rate	d heat o	utput of	a supplement	heaters, the rated heat output Pra ary heater P _{sup} is equal to the supp	olementary capa	_		
$\sup(I_j)$. (**) If C_{dh} is not determ	ined by i	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$	0	150570292	

Model(s): [information identify information relates]	ring the r	nodel(s)	to which the	AW062HUGH	A / HU102WAH	ΙΥΑ			
-	to-water heat pump:				Vas				
				Yes					
Water-to-water heat pump: Brine-to-water heat pump:				No No					
Low-temperature heat pump:				+	No No				
<u> </u>	ny hooto	r·		+	Yes				
Equipped with a supplementa	_	1.			No Yes				
Heat pump combination heat		4 · ·	n a u a t: : : : :		INU				
Parameters shall be declared application, except for low-ter low- temperature heat pumps declared for low-temperature	nperatur , parame	e heat p	umps. For	Medium-temperature application	n				
Parameters shall be declared warmer climate conditions.	for aver	age, col	der and	Cold climate conditions					
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
Rated heat output (*)	P _{rated}	4	kW	Seasonal space heating energy efficiency	$\eta_{\rm s}$	125	%		
Declared capacity for heat temperature 20 °C and	•			Declared coefficient of perform load at indoor temperature 2					
T _j = − 7 °C	P_{dh}	2.50	kW	T _j = - 7 °C	COP _d or PER _d	2.70	– or%		
T _j = + 2 °C	P_{dh}	1.62	kW	T _j = + 2 °C	COP _d or PER _d	3.63	– or%		
T _j = + 7 °C	P_{dh}	1.85	kW	T _j = + 7 °C	COP _d or PER _d	5.48	– or%		
T _j = + 12 °C	P _{dh}	2.21	kW	T _j = + 12 °C	COP _d or PER _d	7.14	– or%		
T _j = bivalent temperature	P_{dh}	3.32	kW	T_j = bivalent temperature	COP _d or PER _d	2.12	– or%		
T _j = operation limit temperature	P_{dh}	2.56	kW	T_j = operation limit temperature	COP _d or PER _d	1.69	– or%		
For air-to-water heat pumps: $T_j = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	P_{dh}	3.32	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _d or PER _d	2.12	– or%		
Bivalent temperature	T _{biv}	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C		
Cycling interval capacity for heating	P _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	0.9	– or%		
Degradation co- efficient (**)	C_dh	0.9	_	Heating water operating limit temperature	WTOL	60	°C		
Power consumption in modes	other th	an activ	e mode	Supplementary heater: N/A					
Off mode	P _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	1.44	kW		
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input		-			
Standby mode	P_{SB}	0.018	kW						
Crankcase heater mode	P_{CK}	0	kW						
Other items	1								
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3429	m³/h		
Sound power level, indoors/ outdoors	L _{WA}	40/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.645	m³/h		
Annual energy consumption	Q_{HE}	1979	kWhor GJ						
For heat pump combination h		′A	<u> </u>						
Declared load profile		_		Water heating energy efficiency	η_{wh}	_	%		
Daily electricity consumption	Q _{elec}	_	kWh	Annual electricity consumption	AEC	_	kWh		
Qingdao Haier Air Conditioner Electric Co., Ltd. Contact details Haier industrial Park,No.236,Qianwangang Road ,Qingdao Eco-tech Development Zone ,Qingdao , 266555,China									
heating Pdesignh, and the rate	d heat o	utput of	a supplement	heaters, the rated heat output Pra ary heater P_{sup} is equal to the $supp$	olementary capa				
$sup(T_j)$. (**) If C_{dh} is not determ	ined by r	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570292		

Model(s): [information identify	ring the r	nodel(s)	to which the	AW062HUGHA / HU102F20AHYA				
information relates]								
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No No				
Brine-to-water heat pump:					No			
Low-temperature heat pump:					No			
Equipped with a supplementa	_	r:			Yes			
Heat pump combination heate					Yes			
Parameters shall be declared			•					
application, except for low-ter				Medium-temperature application	า			
low- temperature heat pumps declared for low-temperature	applicati	on.		, , , , , , , , , , , , , , , , , , , ,				
Parameters shall be declared for average, colder and warmer climate conditions.				Cold climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	4	kW	Seasonal space heating energy efficiency	η _s	125	%	
Declared capacity for heat	ing for p	art load	at indoor	Declared coefficient of perform	ance or primary	energy ra	atio for part	
temperature 20 °C and	outdoor	tempera	ture T _i	load at indoor temperature 2				
T _j = - 7 °C	P_{dh}	2.50	kW	$T_j = -7 ^{\circ}C$	COP _d or PER _d	2.70	– or%	
T _j = + 2 °C	P _{dh}	1.62	kW	T _j = + 2 °C	COP _d or PER _d	3.63	– or%	
T _j = + 7 °C	P _{dh}	1.85	kW	T _j = + 7 °C	COP _d or PER _d	5.48	– or%	
T _j = + 12 °C	P_{dh}	2.21	kW	T _j = + 12 °C	COP _d or PER _d	7.14	– or%	
T_j = bivalent temperature	P_{dh}	3.32	kW	T_j = bivalent temperature	COP _d or PER _d	2.12	– or%	
T _j = operation limit temperature	P _{dh}	2.56	kW	T_j = operation limit temperature	COP _d or PER _d	1.69	– or%	
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < -20 °C)	P _{dh}	3.32	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _d or PER _d	2.12	– or%	
Bivalent temperature	T _{biv}	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C	
Cycling interval capacity for heating	P _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	0.9	– or%	
Degradation co- efficient (**)	C_{dh}	0.9	_	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes	other th	an activ	e mode	Supplementary heater: N/A				
Off mode	P _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	1.44	kW	
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input		-		
Standby mode	P_{SB}	0.018	kW					
Crankcase heater mode	P _{CK}	0	kW					
Other items	-		-					
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors		3429	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	40/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.645	m³/h	
Annual energy consumption	Q_{HE}	1979	kWhor GJ					
For heat pump combination h		es	<u> </u>					
Declared load profile		L		Water heating energy efficiency	η_{wh}	106.8	%	
Daily electricity consumption	Q _{elec}	4.74	kWh	Annual electricity consumption	AEC	958.75	kWh	
Contact details	Haier in			er Electric Co., Ltd. Qianwangang Road ,Qingdao Ed	o-tech Develop	ment Zon	e ,Qingdao	
heating Pdesignh, and the rate	d heat o	utput of	a supplement	heaters, the rated heat output Pra ary heater P _{sup} is equal to the supp	olementary capa	_		
$[\sup(T_j). (**)]$ If C_{dh} is not determ	ined by r	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$	0	150570292	

Model(s): [information identify	ing the r	nodel(s)	to which the	AW062HUGHA / HU102WAHYA				
information relates]								
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No No				
Brine-to-water heat pump:					No			
Low-temperature heat pump:					No			
Equipped with a supplementa		r.			Yes			
Heat pump combination heat					No			
Parameters shall be declared application, except for low-ter low- temperature heat pumps	mperatur , parame	e heat p	umps. For	Low-temperature application				
declared for low-temperature application. Parameters shall be declared for average, colder and				Warm climate conditions				
warmer climate conditions.								
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	5	kW	Seasonal space heating energy efficiency	η _s	260	%	
Declared capacity for heat	ing for p	art load	at indoor	Declared coefficient of perform	ance or primary	energy ra	atio for part	
temperature 20 °C and	outdoor	tempera	ture T _j	load at indoor temperature 2	20 °C and outdo	or temper	ature T _j	
T _j = − 7 °C	P_{dh}	/	kW	$T_j = -7$ °C	COP _d or PER _d	/	– or%	
T _j = + 2 °C	P_{dh}	5.05	kW	T _j = + 2 °C	COP _d or PER _d	4.63	– or%	
T _j = + 7 °C	P_{dh}	3.26	kW	T _j = + 7 °C	COP _d or PER _d	6.08	– or%	
T _j = + 12 °C	P _{dh}	2.60	kW	T _j = + 12 °C	COP _d or PER _d	8.86	– or%	
T_j = bivalent temperature	P_{dh}	5.05	kW	T_j = bivalent temperature	COP _d or PER _d	4.63	– or%	
T_j = operation limit temperature	P _{dh}	5.05	kW	T_j = operation limit temperature	COP _d or PER _d	4.63	– or%	
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < -20 °C)	P _{dh}	N/A	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _d or PER _d	N/A	– or%	
Bivalent temperature	T _{biv}	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C	
Cycling interval capacity for heating	P _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	0.9	– or%	
Degradation co- efficient (**)	C_{dh}	0.9	_	Heating water operating limit temperature	WTOL	80	°C	
Power consumption in modes	other th	an activ	e mode	Supplementary heater: N/A				
Off mode	P _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	-	kW	
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input	•	-		
Standby mode	P_{SB}	0.018	kW					
Crankcase heater mode	P_{CK}	0	kW					
Other items	•							
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors		3028	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	40/58	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.032	m³/h	
Annual energy consumption	Q_{HE}	874	kWhor GJ					
For heat pump combination h		/A	<u>. </u>					
Declared load profile		_		Water heating energy efficiency	η_{wh}	_	%	
Daily electricity consumption	Q _{elec}	_	kWh	Annual electricity consumption	AEC	_	kWh	
Contact details	Qingdao Haier Air Conditioner Electric Co., Ltd.							
heating Pdesignh, and the rate	d heat o	utput of	a supplement	heaters, the rated heat output Pra ary heater P _{sup} is equal to the supp	olementary capa	_		
$\sup(I_j)$. (**) If C_{dh} is not determ	ined by i	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570292	

Model(s): [information identify	ring the r	nodel(s)	to which the	AW062HUGHA	A / HU102F20A	HYA		
information relates]								
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No No				
Brine-to-water heat pump:					No No			
Low-temperature heat pump:	ry booto	r·			Yes			
Equipped with a supplemental Heat pump combination heat		1.			Yes			
Parameters shall be declared		ium tom	poraturo		163			
application, except for low-ter low- temperature heat pumps declared for low-temperature	nperatur , parame	e heat p eters sha	umps. For	Low-temperature application				
Parameters shall be declared warmer climate conditions.			der and	Warm climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	5	kW	Seasonal space heating energy efficiency	η _s	260	%	
Declared capacity for heat	ina for p	ı <u> </u>	at indoor	Declared coefficient of perform	ance or primary	/ energy ra	atio for part	
temperature 20 °C and				load at indoor temperature 2		٠,	•	
T _i = -7 °C	P _{dh}	/	kW	$T_i = -7 ^{\circ}\text{C}$	COP _d or PER _d	/	– or%	
T _i = + 2 °C	P _{dh}	5.05	kW	T _i = + 2 °C	COP _d or PER _d	4.63	– or%	
T _j = + 7 °C	P_{dh}	3.26	kW	T _j = + 7 °C	COP _d or PER _d	6.08	– or%	
T _j = + 12 °C	P_{dh}	2.60	kW	T _j = + 12 °C	COP _d or PER _d	8.86	– or%	
T _j = bivalent temperature	P_{dh}	5.05	kW	T_j = bivalent temperature	COP _d or PER _d	4.63	– or%	
T _j = operation limit temperature	P _{dh}	5.05	kW	T_j = operation limit temperature	COP _d or PER _d	4.63	– or%	
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < -20 °C)	P _{dh}	N/A	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _d or PER _d	N/A	– or%	
Bivalent temperature	T_{biv}	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C	
Cycling interval capacity for heating	P _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	0.9	– or%	
Degradation co- efficient (**)	C_{dh}	0.9	_	Heating water operating limit temperature	WTOL	80	°C	
Power consumption in modes	other th	an activ	e mode	Supplementary heater: N/A				
Off mode	P _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	-	kW	
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input		-		
Standby mode	P _{SB}	0.018	kW					
Crankcase heater mode	P_{CK}	0	kW					
Other items Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3028	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	40/58	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.032	m³/h	
Annual energy consumption	Q_{HE}	874	kWhor GJ					
For heat pump combination h		s	<u> </u>					
Declared load profile		L		Water heating energy efficiency	η_{wh}	134.7	%	
Daily electricity consumption	Q _{elec}	3.76	kWh	Annual electricity consumption	AEC	760.29	kWh	
Contact details	Qingdao Haier Air Conditioner Electric Co., Ltd. Haier industrial Park,No.236,Qianwangang Road ,Qingdao Eco-tech Development Zone ,Qingdao , 266555,China							
heating Pdesignh, and the rate	d heat o	utput of	a supplement	heaters, the rated heat output Pra ary heater P _{sup} is equal to the supp default degradation coefficient is	olementary capa	_		
sup(1j). () II C _{dh} is not determ	mieu by i	rieasurei	nent then the	default degradation coefficient is	C _{dh} – 0,3.	0	150570292	

Model(s): [information identify	ing the r	nodel(s)	to which the	AW062HUGH	A / HU102WAF	IYA			
information relates]									
Air-to-water heat pump:					Yes				
Water-to-water heat pump:				No					
Brine-to-water heat pump:					No				
Low-temperature heat pump:					No				
Equipped with a supplementa	_	r:			Yes				
Heat pump combination heat	er:				No				
Parameters shall be declared									
application, except for low-ter	•	•	•	Medium-temperature application	n				
low- temperature heat pumps declared for low-temperature			ıll be	modium temperature approach	•				
Parameters shall be declared for average, colder and warmer climate conditions.				Warm climate conditions					
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
Rated heat output (*)	P _{rated}	4	kW	Seasonal space heating energy efficiency	$\eta_{\rm s}$	175	%		
Declared capacity for heat	ing for p	art load	at indoor	Declared coefficient of perform	ance or primary	energy ra	atio for part		
temperature 20 °C and				load at indoor temperature 2		٠,	•		
T _i = - 7 °C	P_{dh}	/	kW	T _i = -7 °C	COP _d or PER _d	/	– or%		
T _i = + 2 °C	P _{dh}	4.03	kW	T _j = + 2 °C	COP _d or PER _d	2.84	– or%		
T _j = + 7 °C	P _{dh}	2.64	kW	T _j = + 7 °C	COP _d or PER _d	4.12	– or%		
T _j = + 12 °C	P_{dh}	2.23	kW	T _j = + 12 °C	COP _d or PER _d	6.13	– or%		
T_j = bivalent temperature	P_{dh}	4.03	kW	T_j = bivalent temperature	COP _d or PER _d	2.84	– or%		
T _j = operation limit temperature	P _{dh}	4.03	kW	T_j = operation limit temperature	COP _d or PER _d	2.84	– or%		
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < -20 °C)	P _{dh}	N/A	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _d or PER _d	N/A	– or%		
Bivalent temperature	T _{biv}	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C		
Cycling interval capacity for heating	P _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	0.9	– or%		
Degradation co- efficient (**)	C_{dh}	0.9	_	Heating water operating limit temperature	WTOL	80	°C		
Power consumption in modes	other th	an activ	e mode	Supplementary heater: N/A					
Off mode	P _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	-	kW		
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input	•	-			
Standby mode	P_{SB}	0.018	kW						
Crankcase heater mode	P_{CK}	0	kW						
Other items									
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors		3429	m³/h		
Sound power level, indoors/ outdoors	L _{WA}	40/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.645	m³/h		
Annual energy consumption	Q_{HE}	1022	kWhor GJ						
For heat pump combination h		/A	<u>. </u>						
Declared load profile		_		Water heating energy efficiency	η_{wh}	_	%		
Daily electricity consumption	Q _{elec}	_	kWh	Annual electricity consumption	AEC	_	kWh		
Contact details	Qingdao Haier Air Conditioner Electric Co., Ltd.								
heating Pdesignh, and the rate	d heat o	utput of	a supplement	heaters, the rated heat output Pra ary heater P _{sup} is equal to the supp	olementary capa	_			
$\sup(I_j)$. (**) If C_{dh} is not determ	ined by i	neasurer	nent then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570292		

Model(s): [information identify	ring the r	nodel(s)	to which the	AW062HUGHA	A / HU102F20A	HYA		
information relates]								
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No				
Brine-to-water heat pump:					No			
Low-temperature heat pump:	. 1				No			
Equipped with a supplementa	_	r:			Yes			
Heat pump combination heat					Yes			
Parameters shall be declared application, except for low-ter low- temperature heat pumps	nperatur , parame	e heat p	umps. For	Medium-temperature application	n			
declared for low-temperature application. Parameters shall be declared for average, colder and				Warm climate conditions				
warmer climate conditions.								
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	4	kW	Seasonal space heating energy efficiency	η _s	175	%	
Declared capacity for heat				Declared coefficient of perform		٠,	•	
temperature 20 °C and		tempera	,	load at indoor temperature 2		or temper	,	
T _j = - 7 °C	P _{dh}	/	kW	T _j = -7 °C	COP _d or PER _d	/	– or%	
T _j = + 2 °C	P _{dh}	4.03	kW	T _j = + 2 °C	COP _d or PER _d	2.84	– or%	
$T_j = + 7 ^{\circ}\text{C}$ $T_i = + 12 ^{\circ}\text{C}$	P _{dh}	2.64	kW	T _j = + 7 °C T _i = + 12 °C	COP or PER	4.12	– or%	
$T_i = + 12 C$ $T_i = bivalent temperature$	P _{dh}	2.23 4.03	kW kW	$T_i = \frac{1}{2} + \frac{12}{2} = \frac{1}{2}$ $T_i = \text{bivalent temperature}$	COP _d or PER _d	6.13 2.84	– or% – or%	
$T_i = \text{operation limit}$,			- OI 70	
temperature	P _{dh}	4.03	kW	T_j = operation limit temperature	COP _d or PER _d	2.84	– or%	
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < -20 °C)	P _{dh}	N/A	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _d or PER _d	N/A	– or%	
Bivalent temperature	T _{biv}	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C	
Cycling interval capacity for heating	P _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	0.9	– or%	
Degradation co- efficient (**)	C_{dh}	0.9	_	Heating water operating limit temperature	WTOL	80	°C	
Power consumption in modes	other th	an activ	e mode	Supplementary heater: N/A		<u> </u>		
Off mode	P _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	-	kW	
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input		-		
Standby mode	P _{SB}	0.018	kW					
Crankcase heater mode	P_{CK}	0	kW					
Other items Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3429	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	40/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.645	m³/h	
Annual energy consumption	Q_{HE}	1022	kWhor GJ					
For heat pump combination h		s	<u>.</u>					
Declared load profile		L		Water heating energy efficiency	η_{wh}	134.7	%	
Daily electricity consumption	Q _{elec}	3.76	kWh	Annual electricity consumption	AEC	760.29	kWh	
Contact details	Qingdao Haier Air Conditioner Electric Co., Ltd.							
heating Pdesignh, and the rate	d heat o	utput of	a supplement	heaters, the rated heat output Pra ary heater P _{sup} is equal to the supp	olementary capa	_		
$\sup(I_j)$. (**) If C_{dh} is not determ	ined by i	neasurer	nent then the	default degradation coefficient is	$C_{dh} = 0.9.$	0	150570292	